STIC-Biotech/ChemLib 56792

From: STIC-ILL
Sent: Monday, December 17, 2001 1:50 PM
To: STIC-Biotech/ChemLib
Subject: RE: Litigation search

-----Original Message-----
From: Johannsen, Diana
Sent: Monday, December 17, 2001 1:46 PM
To: STIC-ILL
Subject: Litigation search

Could you please do a litigation search for US Patent 5,750,338 (reissue application 09/533,906)?

I was not sure where to email this request - could you please forward as appropriate?

Thanks very much.

Diana Johannsen
AU 1655
CM1, 12D03
Mailbox 12E12
703/305-0761

Point of Contact:
Mona Smith
Technical Info. Specialist
CM1 12C14 Tel: 308-3278

	TYPE OF SEARCH:	VENDOR/COST(where applic.)
Searcher: M Smith	NA Sequences:	STN:
Phone:	AA Sequences:	DIALOG:
Location:	Structures:	Questel/Orbit:
Date Picked Up: 12/20/01	Bibliographic:	DRLink:
Date Completed: 12/20/01	Litigation: X	Lexis/Nexis:
Searcher Prep/Review: 30	Full text:	Sequence Sys.:
Clerical:	Patent Family:	WWW/Internet:
Online time: 40	Other:	Other (specify):

Johannsen Patent No. 5,750,338

1/1 PLUSPAT - (C) QUESTEL-ORBIT- image
PN - US5750338 A 19980512 [US5750338]
TI - (A) Target and background capture methods with amplification for affinity assays
PA - (A) AMOCO CORP (US)
IN - (A) COLLINS MARK L (US); HALBERT DONALD N (US); KING WALTER (US);
LAWRIE JONATHAN M (US)
AP - US23808094 19940503 [1994US-0238080]
PR - US12482693 19930921 [1993US-0124826]
- US13692087 19871221 [1987US-0136920]
- US23808094 19940503 [1994US-0238080]
- US64846891 19910131 [1991US-0648468]
- US92215586 19861023 [1986US-0922155]
- US94674992 19920917 [1992US-0946749]
IC - (A) C07H-021/04 C12P-019/34 C12Q-001/68 C12Q-001/70
EC - C12Q-001/68B
- C12Q-001/68D4
ICO - M12Q-220/114
- M12Q-240/910
- S01N-035/00M
PCL - ORIGINAL (O) : 435006000; CROSS-REFERENCE (X) : 435005000 435007100
435091200 435174000 536024300 536024320 536024330
DT - Basic
CT - US4851331; US5200314; US5232829; EP0139489; EP0159719
STG - (A) United States patent
AB - A method of assay for target polynucleotides includes steps of isolating target polynucleotides from extraneous non-target polynucleotides, debris, and impurities and amplifying the target polynucleotide.

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Johannsen Patent 5,750,338

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Please TRANSMIT the NAME (only one) of the library you want to search.
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CITES 1 CLE 3 HOTTOP 3 INCORP 4 P-PROP 5 CMPGN 21
LEGIS 1 INSOLV 5 VERDCT 5 WORLD 21

<----------Area of Law---------- Medical>

ADVSOR 6 CONLAW 8 ELDER 9 FEDTAX 10 K-LAW 11 PUBCON 12 TELCOM 10 GENMED 15
ACCTG 8 CONSTR 8 ENERGY 9 HEALTH 11 LABOR 11 PUBHW 13 TORTS 14 MEDLNE 15
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Library: PATENT

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File: ALL

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What you transmit will be Search Level 1.

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For further explanation, press the H key (for HELP) and then the TRANSMIT key.
>>>

PATNO IS 5,750,338

If it is not what you intended to enter, please press the STOP key.
<LEXIS is working on the displayed request.>

PATNO IS 5,750,338

Your search request has found 1 PATENT through Level 1.
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMTS key.
To MODIFY your search request, press the M key (for MODFY) and then the TRANSMIT
key.

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LEVEL 1 - 1 OF 1 PATENT

<5,750,338>

<<=2>> GET 1st DRAWING SHEET OF 10

May 12, 1998

Target and background capture methods with amplification for affinity assays

CORE TERMS: sample, polynucieotide, bead, medium, capture, binding, moiety, retrievable, target, probe...
>>>

Please TRANSMIT the NAME of the file you want to search. To see a description of a file, type its page number and press the TRANSMIT key.
File: CASES

PATNO IS 5,750,338

The above request is the one you last used before selecting a new library or file. If you now want to use this request again, press the TRANSMIT key.

To edit the above request before you transmit it, use the editing keys.
Be sure to move the cursor to the end of the request before you transmit.
For editing instructions, press the E key (for EDIT) and then the TRANSMIT key.

If you do not want to use this search request, press the NEW SEARCH key.

5750338 OR 5,750,338

If it is not what you intended to enter, please press the STOP key.
<LEXIS is working on the displayed request.>

5750338 OR 5,750,338

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you transmit it.

To enter a new search request, type it and press the TRANSMIT key.

What you transmit will be Search Level 1.

For further explanation, press the H key (for HELP) and then the TRANSMIT key.
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Please TRANSMIT the NAME of the file you want to search. To see a description of a file, type its page number and press the TRANSMIT key.
File: JNLS

5750338 OR 5,750,338

The above request is the one you last used before selecting a new library or file. If you now want to use this request again, press the TRANSMIT key.

5750338 OR 5,750,338

If it is not what you intended to enter, please press the STOP key.
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5750338 OR 5,750,338

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File: NEWS
-----< T H E < N E W S L I B R A R Y>------
--<Full-Text Group Files>-- ---<Full-Text By Type>-- -<Full Text By Region>-
TODAY 1 Today's News MAGS 3 Magazines --<Papers & Wires>--
90DAYS 1 Last 90 days MAJPAP 3 Major Papers NON-US 1 English Non-US
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ARCNWS 1 Beyond 2 years PAPERS 3 Newspapers --<US Sources>--
ALLNWS 1 All News Files SCRIPT 3 Transcripts MWEST 3 Midwest
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ALLABS 4 All Abstracts -------<Hot Files>------ WEST 3 West
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File: CURNWS

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5750338 OR 5,750,338

Your search request has found 4 STORIES through Level 1.
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LEVEL 1 - 1 OF 4 STORIES

PR Newswire

July 10, 2001, Tuesday

SECTION: FINANCIAL NEWS

DISTRIBUTION: TO BUSINESS, MEDICAL AND TECHNOLOGY EDITORS

LENGTH: 550 words

HEADLINE: Vysis Grants License to bioMerieux, Inc. Under Its Collins Patent; Technology Improves Sensitivity of DNA Probe Technology Using Amplification

DATELINE: DOWNERS GROVE, Ill., July 10

BODY:
... disease management, announced today that it has granted a nonexclusive license to bioMerieux, Inc. under its U.S. Patent No. <5,750,338> (the Collins patent) and related patents. The Collins patent relates to nucleic acid diagnostic methods utilizing target capture and in ...
>>>

LEVEL 1 - 2 OF 4 STORIES

PR Newswire

July 2, 2001, Monday

SECTION: FINANCIAL NEWS

DISTRIBUTION: TO BUSINESS AND MEDICAL EDITORS

LENGTH: 840 words

HEADLINE: Vysis to Seek Appeal of Interim Ruling in Patent Infringement Suit; Firm Seeks Protection of Royalty Stream From Licensee

DATELINE: DOWNERS GROVE, Ill., July 2

BODY:
... summary judgment by Gen-Probe Incorporated, which claimed that Gen-Probe
does not infringe Vysis' U.S. Patent No. <5,750,338> (the Collins patent). Although the district court could modify its ruling prior to issuing a final judgment, Vysis plans to seek ...
>>>

LEVEL 1 - 3 OF 4 STORIES

CHEMICAL BUSINESS NEWSBASE

January 25, 2000

LENGTH: 283 words

HEADLINE: PRESS RELEASE: Vysis to defend patent licensed to Gen-Probe

BODY:
... District Court in San Diego, CA, seeking a declaration of invalidity and noninfringement of Vysis' US Patent No <5,750,338> for "Target and Background Capture Methods with Amplification for Affinity Assays," issued 12 May 1998 to M L ...
>>>

LEVEL 1 - 4 OF 4 STORIES

PR Newswire

January 20, 2000, Thursday

SECTION: FINANCIAL NEWS

DISTRIBUTION: TO BUSINESS AND MEDICAL EDITORS

LENGTH: 968 words

HEADLINE: Vysis to Defend Patent Licensed to Gen-Probe

DATELINE: DOWNERS GROVE, Ill., Jan. 20

BODY:
... Court in San Diego, California, seeking a declaration of invalidity and non-infringement of Vysis' U.S. Patent No. <5,750,338> for "Target and Background Capture Methods with Amplification for Affinity Assays," issued May 12, 1998 to M. L. ...
>>>

PR Newswire January 20, 2000, Thursday

No. <5,750,338> for "Target and Background Capture Methods with Amplification for Affinity Assays," issued May 12, 1998 to M. L. Collins et al. The Collins patent covers a method that enables substantial improvement in clinical sensitivity for enzyme amplification technologies, such as Gen-Probe's transcription mediated amplification (TMA) technology, and was licensed to Gen-Probe as part of a June 1999 settlement of patent litigation between Vysis and Gen-Probe. Gen-Probe's suit seeks to eliminate it's obligation to pay license royalties to Vysis on Gen-Probe's nucleic acid testing (NAT) test kits for HIV and HCV, currently in large scale clinical trials for blood screening and to be marketed by Chiron Pharmaceuticals. Even though it filed the suit, Gen-Probe has not terminated its license under the Collins patent. In addition, concurrently with filing the suit, Gen-Probe exercised options to extend its license under the patent to its partnerships with Chiron and Bayer. Vysis has not yet responded to the complaint but intends to defend its patent rights vigorously.

"In our view, this suit has been brought because the anticipated royalty payments to Vysis under the Collins license greatly exceed the cost of a lawsuit to try to invalidate the patent," stated John L. Bishop, Vysis president and CEO. "Although no one likes litigation, the significant technological advance of the Collins patent makes us confident of a favorable outcome."

The patented technology was invented in the mid-1980's and relates to
>>>

pathogen detection methods that achieve high clinical sensitivity by coupling Vysis' reversible target capture technology with enzymatic nucleic acid amplification techniques, such as the polymerase chain reaction, Q-beta replicase, and transcription mediated amplification. The utility of the patented technology was proven by Vysis in clinical trials using an automated DNA probe testing instrument in 1994-95, as reported by Smith, et al. in the Journal of Clinical Microbiology Vol. 35, No. 6, June 1997 at 1477-83 and 1484-91, where use of the patented technology greatly improved the clinical sensitivity of the assay.

Chiron has announced that the clinical trials of the Gen-Probe NAT product currently encompass testing of approximately 70 percent of the U.S. blood supply, and financial analysts expect its FDA approval in mid-2000. "We are confident that our patent rights will be sustained and that Gen-Probe's HIV/HCV product will be found to infringe those rights," stated Norval B. Galloway, Vysis patent counsel.

In November 1999, Vysis announced goals of achieving break-even status of its operations in the fourth quarter of 2000, and profitability for the full year 2001. "We have evaluated these goals in light of the litigation expense we estimate for this suit and we have decided not to adjust these goals. Vysis has recently significantly reduced its operating expenses in Europe by the appointments of exclusive distributors in France and Italy, and we believe these reductions mitigate the financial impact from the expected cost of the suit," stated Bishop.

Vysis, Inc. of Downers Grove, Ill., is a genomic disease management company that develops, commercializes and markets clinical products providing information critical to the evaluation and management of cancer, prenatal disorders and other genetic diseases. The company has direct sales operations in the United States and Europe, a marketing partnership in Japan with Fujisawa Pharmaceutical Co., and a worldwide distribution network.

The statements in this press release concerning Vysis' future financial results as well as any other statements which are not historical facts, are forward-looking statements and are subject to risks and uncertainties inherent in the company's business. These risks and uncertainties, which could cause actual results to differ materially from those expressed or implied by the forward-looking statements, include: the market acceptance of the company's clinical products; the extent to which the clinicians or laboratories performing the procedures with the company's products are able to obtain third-party reimbursement; the ability of the company to successfully market and sell its clinical products, other products and equipment; competition; compliance by the company with regulatory requirements and the timely receipt of necessary

governmental approvals; the company's ability to manufacture products in sufficient quantities; the company's ability to maintain intellectual property protection for its proprietary products, to defend its existing intellectual property rights from challenges by third parties, and to avoid infringing intellectual property rights of third parties; and the company's cost control efforts. In addition, a detailed discussion of risks and uncertainties may be found in the company's periodic filings with the Securities and Exchange Commission. Vysis disclaims any intent or obligation to update these forward-looking statements.

To receive Vysis, Inc.'s latest news release and other corporate documents, free of charge via fax, simply dial 1-800-PRO-INFO. Use company ticker VYSI.

SOURCE Vysis, Inc.

CONTACT: John L. Bishop, President & CEO of Vysis, Inc., 630-271-7000; or General Info., Leslie Hunziker, 312-640-6760, Analysts, Suzy Olson, 312-274-2258, or Media, Darcy Bretz, 312-640-6756, all of The Financial Relations Board, for Vysis

URL: http://www.prnewswire.com

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b345;s pn=us 5750338;t1/39/1;logoff
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File 345:Inpadoc/Fam.& Legal Stat  1968-2001/UD=200149
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DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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8789296
Basic Patent (No,Kind,Date): ZA 8707772 A  19880420   <No. of Patents: 027>
Patent Family:
    Patent No     Kind  Date      Applic No    Kind  Date
    AT 80949        E   19921015    EP 87309308     A   19871021
    AT 127854       E   19950915    EP 88312135     A   19881221
    AU 8780097      A1  19880428    AU 8780097      A   19871023
    AU 8827359      A1  19890713    AU 8827359      A   19881220
    AU 621812       B2  19920326    AU 8780097      A   19871023
    CA 1309329      A1  19921027    CA 549737       A   19871020
    CN 87107800     A   19880713    CN 87107800     A   19871023
    CN 1016645      B   19920513    CN 87107800     A   19871023
    DE 3781860      C0  19921029    EP 87309308     A   19871021
    DE 3854470      C0  19951019    DE 3854470      A   19881221
    DE 3781860      T2  19930506    EP 87309308     A   19871021
    DE 3854470      T2  19960328    DE 3854470      A   19881221
    EP 265244       A2  19880427    EP 87309308     A   19871021
    EP 328829       A2  19890823    EP 88312135     A   19881221
    EP 265244       A3  19890510    EP 87309308     A   19871021
    EP 328829       A3  19900919    EP 88312135     A   19881221
    EP 265244       B1  19920923    EP 87309308     A   19871021
    EP 328829       B1  19950913    EP 88312135     A   19881221
    JP 1211500      A2  19890824    JP 88323183     A   19881221
    JP 63188399     A2  19880803    JP 87268030     A   19871023
    JP 2817926      B2  19981030    JP 88323183     A   19881221
    JP 2975603      B2  19991110    JP 87268030     A   19871023
    US 5714380      A   19980203    US 622491       A   19960325
    US 5750338      A   19980512    US 238080       A   19940503
    US 5780224      A   19980714    US 236877       A   19940429
    ZA 8707772      A   19880420    ZA 877772       A   19871015  (BASIC)
    ZA 8707772      A   19880629    ZA 877772       A   19871015
Priority Data (No,Kind,Date):
    EP 87309308 A  19871021
    US 922155 A  19861023
    US 136920 A  19871221
    US 622491 A  19960325
    US 400657 B1 19950308
    US 257469 B1 19940608
    US 124826 B1 19930921
    US 946749 B1 19920917
    US 648468 B1 19910131
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US 644967 B2 19910122
US 136920 B1 19871221
US 922155 B2 19861023
US 238080 A 19940503
US 124826 A 19930921
US 946749 A 19920917
US 922155 B1 19861023
US 236877 A 19940429
US 6804 B1 19930121
US 859619 B1 19920323
US 550147 B1 19900709

PATENT FAMILY:
AUSTRIA (AT)
Patent (No,Kind,Date): AT 80949 E 19921015
ZIEL- UND HINTERGRUNDFANGMETHODEN SOWIE VORRICHTUNG FUER AFFINITAETSUNTERSUCHUNGEN. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO
Priority (No,Kind,Date): EP 87309308 A 19871021; US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
Addnl Info: 00265244 19920923
IPC: * G01N-033/543; C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: English
Patent (No,Kind,Date): AT 127854 E 19950915
VERFAHREN FUER AFFINITAETSUNTERSUCHUNGEN DURCH VERWENDUNG VON ZIEL-AMPLIFIZIERUNG. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US); HALBERT DONALD NEIL (US); KING WALTER (US); LAWRIE JONATHAN MICHAEL (US)
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): EP 88312135 A 19881221
Addnl Info: 00328829 19950913
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00; C07H-021/00; C12N-015/00
CA Abstract No: * 113(11)094353U
Derwent WPI Acc No: * C 89-242804
Language of Document: German

AUSTRIA (AT)
Legal Status (No,Type,Date,Code,Text):
AT 80949 R 19921015 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT)
EP 265244 P 19920923
AT 80949 R 19930315 AT RER CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES (ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.)
AT 127854 R 19950915 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT)
EP 328829 P 19950913
AT 127854 R 19960315 AT RER CEASED AS TO PARAGRAPH 5 LIT. 3 LAW INTRODUCING PATENT TREATIES (ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.)

AUSTRALIA (AU)
Patent (No,Kind,Date): AU 8780097 A1 19880428
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English)

Patent Assignee: AMOCO CORP
Author (Inventor): COLLINS MARK LEO
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): AU 8780097 A 19871023
IPC: * G01N-033/553; G01N-033/546; G01N-033/53; C12Q-001/68
Language of Document: English

Patent (No,Kind,Date): AU 8827359 A1 19890713
TARGET AND BACKGROUND CAPTURE METHODS WITH AMPLIFICATION FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP
Author (Inventor): COLLINS MARK L; HALBERT DONALD N; KING WALTER; LAWRIE JONATHAN M
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): AU 8827359 A 19881220
IPC: * C12Q-001/68; C12P-019/34
Language of Document: English

Patent (No,Kind,Date): AU 621812 B2 19920326
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP
Author (Inventor): COLLINS MARK LEO
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): AU 8780097 A 19871023
IPC: * G01N-033/553; G01N-033/546; G01N-033/53; C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 1309329 A1 19921027
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English; French)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK L (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): CA 549737 A 19871020
National Class: * D215000085 M
IPC: * G01N-033/538; C12Q-001/68; G01N-033/553; G01N-033/546
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: English

CHINA (CN)

Patent (No,Kind,Date): CN 87107800 A 19880713
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): CN 87107800 A 19871023
IPC: * G01N-033/487; G01N-033/545; C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: Chinese

Patent (No,Kind,Date): CN 1016645 B 19920513
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): CN 87107800 A 19871023

IPC: * G01N-033/487; G01N-033/545
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: Chinese

GERMANY (DE)
Patent (No,Kind,Date): DE 3781860 C0 19921029
ZIEL- UND HINTERGRUNDFANGMETHODEN SOWIE VORRICHTUNG FUER AFFINITAETSUNTERSUCHUNGEN. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
IPC: * G01N-033/543; C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: German

Patent (No,Kind,Date): DE 3854470 C0 19951019
VERFAHREN FUER AFFINITAETSUNTERSUCHUNGEN DURCH VERWENDUNG VON ZIEL-AMPLIFIZIERUNG. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US); HALBERT DONALD NEIL (US); KING WALTER (US); LAWRIE JONATHAN MICHAEL (US)
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): DE 3854470 A 19881221
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00
CA Abstract No: * 113(11)094353U
Derwent WPI Acc No: * C 89-242804
Language of Document: German

Patent (No,Kind,Date): DE 3781860 T2 19930506
ZIEL- UND HINTERGRUNDFANGMETHODEN SOWIE VORRICHTUNG FUER AFFINITAETSUNTERSUCHUNGEN. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
IPC: * G01N-033/543; C12Q-001/58
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: German

Patent (No,Kind,Date): DE 3854470 T2 19960328
VERFAHREN FUER AFFINITAETSUNTERSUCHUNGEN DURCH VERWENDUNG VON ZIEL-AMPLIFIZIERUNG. (German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US); HALBERT DONALD NEIL (US); KING WALTER (US); LAWRIE JONATHAN MICHAEL (US)
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): DE 3854470 A 19881221
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00
CA Abstract No: * 113(11)094353U
Derwent WPI Acc No: * C 89-242804
Language of Document: German

GERMANY (DE)
Legal Status (No,Type,Date,Code,Text):
DE 3781860 P 19921029 DE REF CORRESPONDS TO (ENTSPRICHT)
EP 265244 P 19921029
DE 3781860 P 19930506 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT RECEIVED (UEBERSETZUNG DER PATENTSCHRIFT DES

EUROP ISCHEN PATENTES EINGEGANGEN)
DE 3781860 P 19931021 DE 8364 NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)
DE 3854470 P 19951019 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 328829 P 19951019
DE 3854470 P 19960328 DE 8373 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)
DE 3854470 P 19961010 DE 8364 NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)

EUROPEAN PATENT OFFICE (EP)
Patent (No,Kind,Date): EP 265244 A2 19880427
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English; French; German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; LU; NL; SE
IPC: * G01N-033/538; C12Q-001/68; G01N-033/553; G01N-033/546
CA Abstract No: ; 109(11)089343D
Derwent WPI Acc No: ; C 88-114361
Language of Document: English
Patent (No,Kind,Date): EP 328829 A2 19890823
METHOD FOR AFFINITY ASSAYS USING TARGET AMPLIFICATION (English; French; German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO; HALBERT DONALD NEIL; KING WALTER; LAWRIE JONATHAN MICHAEL
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): EP 88312135 A 19881221
Designated States: (National) AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00; C07H-021/00; C12N-015/00
CA Abstract No: ; 113(11)094353U
Derwent WPI Acc No: ; C 89-242804
Language of Document: English
Patent (No,Kind,Date): EP 265244 A3 19890510
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English; French; German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; LU; NL; SE
IPC: * G01N-033/538; C12Q-001/68; G01N-033/553; G01N-033/546
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: English
Patent (No,Kind,Date): EP 328829 A3 19900919
METHOD FOR AFFINITY ASSAYS USING TARGET AMPLIFICATION (English; French; German)

Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO; HALBERT DONALD NEIL; KING WALTER; LAWRIE JONATHAN MICHAEL
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): EP 88312135 A 19881221
Designated States: (National) AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00; C07H-021/00; C12N-015/00
Derwent WPI Acc No: * C 89-242804
Language of Document: English

Patent (No,Kind,Date): EP 265244 B1 19920923
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English; French; German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US)
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): EP 87309308 A 19871021
Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; LU; NL; SE
IPC: * G01N-033/543; C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361
Language of Document: English

Patent (No,Kind,Date): EP 328829 B1 19950913
METHOD FOR AFFINITY ASSAYS USING TARGET AMPLIFICATION. (English; French ; German)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK LEO (US); HALBERT DONALD NEIL (US); KING WALTER (US); LAWRIE JONATHAN MICHAEL (US)
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): EP 88312135 A 19881221
Designated States: (National) AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE
IPC: * C12Q-001/68; G01N-033/543; C12Q-001/00; C07H-021/00; C12N-015/00
CA Abstract No: * 113(11)094353U
Derwent WPI Acc No: * C 89-242804; C 98-129863; C 98-296758
Language of Document: English

EUROPEAN PATENT OFFICE (EP)
Legal Status (No,Type,Date,Code,Text):

EP 265244	P	19861023	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 922155 A 19861023
EP 265244	P	19871021	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 87309308 A 19871021
EP 265244	P	19880427	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 265244	P	19880427	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 265244	P	19890510	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI LU NL SE

EP 265244 P 19890510 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 265244 P 19891123 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 890912

EP 265244 P 19910220 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 901227

EP 265244 P 19920923 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI LU NL SE

EP 265244 P 19920923 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 265244 P 19920923 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 80949 R 19921015

EP 265244 P 19921026 EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) BARZANO' E ZANARDO ROMA S.P.A.

EP 265244 P 19921029 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 3781860 P 19921029

EP 265244 P 19921218 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

EP 265244 P 19921231 CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)

EP 265244 P 19930316 EP NLV1 NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.))

EP 265244 P 19930331 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) CH 920923

EP 265244 P 19930331 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) CH 920923

EP 265244 P 19930421 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) CH 920923

EP 265244 P 19930421 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) CH 920923

EP 265244 P 19930421 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) CH 920923

EP 265244 P 19930512 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923

EP 265244 P 19930512 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923

EP 265244 P 19930512 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923

EP 265244	P	19930512	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930526	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930526	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930526	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930526	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930526	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930714	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 920923
EP 265244	P	19930915	EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 265244	P	19931006	EP R25	LAPSED DURING OPPOSITION (CORRECTION) (WAEHREND EINSPRUCH ERLOSCHEN (KORR.))
EP 265244	P	19931006	EP R25	LAPSED DURING OPPOSITION (CORRECTION) (WAEHREND EINSPRUCH ERLOSCHEN (KORR.))
EP 265244	P	19931006	EP R25	LAPSED DURING OPPOSITION (CORRECTION) (WAEHREND EINSPRUCH ERLOSCHEN (KORR.))
EP 265244	P	19931006	EP R25	LAPSED DURING OPPOSITION (CORRECTION) (WAEHREND EINSPRUCH ERLOSCHEN (KORR.))
EP 265244	P	19931006	EP R25	LAPSED DURING OPPOSITION (CORRECTION) (WAEHREND EINSPRUCH ERLOSCHEN (KORR.))
EP 265244	P	19940504	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 920923
EP 265244	P	19940504	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 920923
EP 265244	P	19940504	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)

AT 920923

EP 265244 P 19940504 EP 25 LAPSED AS TO RULE 92 1 P
(ERLOSCHEN GEM. REGEL 92 1 P)
AT 920923

EP 265244 P 19940504 EP 25 LAPSED AS TO RULE 92 1 P
(ERLOSCHEN GEM. REGEL 92 1 P)
AT 920923

EP 265244 P 19940504 EP 25 LAPSED AS TO RULE 92 1 P
(ERLOSCHEN GEM. REGEL 92 1 P)
AT 920923

EP 265244 P 19991229 EP 25 LAPSED AS TO RULE 92 1 P
(ERLOSCHEN GEM. REGEL 92 1 P)
AT 19920923

EP 328829 P 19871221 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

US 136920 A 19871221

EP 328829 P 19881221 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 88312135 A 19881221

EP 328829 P 19890823 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE FR GB IT LI LU NL SE

EP 328829 P 19890823 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 328829 P 19900919 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

AT BE CH DE FR GB IT LI LU NL SE

EP 328829 P 19900919 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))

EP 328829 P 19910123 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
901129

EP 328829 P 19930825 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
930712

EP 328829 P 19950913 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
AT BE CH DE FR GB IT LI LU NL SE

EP 328829 P 19950913 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 328829 P 19950913 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
AT 127854 R 19950915

EP 328829 P 19950922 EP ITF IT: TRANSLATION FOR AN EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO)
BARZANO' E ZANARDO ROMA S.P.A.

EP 328829 P 19951019 EP REF CORRESPONDS TO: (ENTSPRICHT)
DE 3854470 P 19951019

EP 328829 P 19951229 EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)

EP 328829 P 19960301 EP NLV1 NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.))

EP 328829 P 19960529 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 950913

EP 328829 P 19960605 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 950913

EP 328829 P 19960605 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) BE 950913

EP 328829 P 19960710 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 950913

EP 328829 P 19960710 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 950913

EP 328829 P 19960710 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 950913

EP 328829 P 19960904 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)

EP 328829 P 20000209 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20000209 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20000209 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20000209 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001213 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19950913

EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P (CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P (KORR.))

AT 19950913
EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P
(CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P
(KORR.))
AT 19950913
EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P
(CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P
(KORR.))
AT 19950913
EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P
(CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P
(KORR.))
AT 19950913
EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P
(CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P
(KORR.))
AT 19950913
EP 328829 P 20001227 EP R25 LAPSED AS TO RULE 92 1 P
(CORRECTION) (ERLOSCHEN GEM. REGEL 92 1 P
(KORR.))
AT 19950913

JAPAN (JP)
Patent (No,Kind,Date): JP 1211500 A2 19890824
METHOD FOR TRAPPING TARGET AND BACKGROUND ACCOMPANIED BY AMPLIFICATION FOR AFFINITY ASSAY (English)
Patent Assignee: AMOCO CORP
Author (Inventor): MAAKU REO KORINZU; DONARUDO NEIRU HARUBAATO; UORUTAA KINGU; JIYONASAN MAIKERU ROORII
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): JP 88323183 A 19881221
IPC: * C12Q-001/68; G01N-033/50; G01N-033/53
Language of Document: Japanese
Patent (No,Kind,Date): JP 63188399 A2 19880803
TARGET FOR TESTING COMPATIBILITY AND BACKGROUND CATCHING METHOD AND APPARATUS (English)
Patent Assignee: AMOCO CORP
Author (Inventor): MAAKU REO KORINZU
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): JP 87268030 A 19871023
IPC: * C12Q-001/68; C12M-001/34; G01N-033/50; C12N-015/00
Language of Document: Japanese
Patent (No,Kind,Date): JP 2817926 B2 19981030
Priority (No,Kind,Date): US 136920 A 19871221
Applic (No,Kind,Date): JP 88323183 A 19881221
IPC: * C12Q-001/68; C12N-015/09; G01N-033/50; G01N-033/53
CA Abstract No: * 113(11)094353U
Derwent WPI Acc No: * C 89-242804; C 98-129863; C 98-296758
Language of Document: Japanese
Patent (No,Kind,Date): JP 2975603 B2 19991110
Patent Assignee: BAISHISU INC
Author (Inventor): MAAKU REO KORINZU
Priority (No,Kind,Date): US 922155 A 19861023
Applic (No,Kind,Date): JP 87268030 A 19871023
IPC: * C12N-015/09; C12Q-001/68
Language of Document: Japanese

UNITED STATES OF AMERICA (US)
Patent (No,Kind,Date): US 5714380 A 19980203
CLOSED VESSEL FOR ISOLATING TARGET MOLECULES AND FOR PERFORMING AMPLIFICATION (English)

Patent Assignee: AMOCO CORP (US)
Author (Inventor): NERI BRUCE P (US); CURTIS JOHN S (GB); COLLINS MARK L (US); RYAN DANAHEY (US)
Priority (No,Kind,Date): US 622491 A 19960325; US 400657 B1 19950308; US 257469 B1 19940608; US 124826 B1 19930921; US 946749 B1 19920917; US 648468 B1 19910131; US 644967 B2 19910122; US 136920 B1 19871221; US 922155 B2 19861023
Applic (No,Kind,Date): US 622491 A 19960325
National Class: * 435287200; 435287600; 435288500; 435288700; 422068100; 422102000
IPC: * C12M-001/34; C12M-001/40
CA Abstract No: * 109(11)089343D; 113(11)094353U
Derwent WPI Acc No: * C 88-114361; C 89-242804; C 98-129863; C 98-296758; C 98-129863
Language of Document: English

Patent (No,Kind,Date): US 5750338 A 19980512
TARGET AND BACKGROUND CAPTURE METHODS WITH AMPLIFICATION FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK L (US); HALBERT DONALD N (US); KING WALTER (US); LAWRIE JONATHAN M (US)
Priority (No,Kind,Date): US 238080 A 19940503; US 124826 A 19930921; US 946749 A 19920917; US 648468 B1 19910131; US 922155 B1 19861023; US 136920 B1 19871221
Applic (No,Kind,Date): US 238080 A 19940503
National Class: * 435006000; 435005000; 435091200; 435174000; 435007100; 536024300; 536024320; 536024330
IPC: * C07H-021/04; C12Q-001/68; C12Q-001/70; C12P-019/34
CA Abstract No: * 109(11)089343D; 113(11)094353U
Derwent WPI Acc No: * C 88-114361; C 89-242804; C 98-129863; C 98-296758; C 98-296758
Language of Document: English

Patent (No,Kind,Date): US 5780224 A 19980714
TARGET AND BACKGROUND CAPTURE METHODS AND APPARATUS FOR AFFINITY ASSAYS (English)
Patent Assignee: AMOCO CORP (US)
Author (Inventor): COLLINS MARK L (US)
Priority (No,Kind,Date): US 236877 A 19940429; US 6804 B1 19930121; US 859619 B1 19920323; US 550147 B1 19900709; US 922155 B1 19861023
Applic (No,Kind,Date): US 236877 A 19940429
National Class: * 435006000; 536025400; 536024300; 935077000; 935078000
IPC: * C12Q-001/68
CA Abstract No: * 109(11)089343D
Derwent WPI Acc No: * C 88-114361; C 98-129863; C 98-296758
Language of Document: English

UNITED STATES OF AMERICA (US)
Legal Status (No,Type,Date,Code,Text):

US 5714380	P	19861023	US	AA		PRIORITY
			US	922155	B2	19861023
US 5714380	P	19871221	US	AA		PRIORITY
			US	136920	B1	19871221
US 5714380	P	19910122	US	AA		PRIORITY
			US	644967	B2	19910122
US 5714380	P	19910131	US	AA		PRIORITY
			US	648468	B1	19910131
US 5714380	P	19920917	US	AA		PRIORITY
			US	946749	B1	19920917
US 5714380	P	19930921	US	AA		PRIORITY

US 124826 B1 19930921
US 5714380 P 19940608 US AA PRIORITY
US 257469 B1 19940608
US 5714380 P 19950308 US AA PRIORITY
US 400657 B1 19950308
US 5714380 P 19960325 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 622491 A 19960325
US 5714380 P 19980203 US A PATENT
US 5750338 P 19861023 US AA PRIORITY
US 922155 B1 19861023
US 5750338 P 19871221 US AA PRIORITY
US 136920 B1 19871221
US 5750338 P 19910131 US AA PRIORITY
US 648468 B1 19910131
US 5750338 P 19920917 US AA PRIORITY (PATENT)
US 946749 A 19920917
US 5750338 P 19930921 US AA PRIORITY (PATENT)
US 124826 A 19930921
US 5750338 P 19940503 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 238080 A 19940503
US 5750338 P 19950503 US AS02 ASSIGNMENT OF ASSIGNOR'S INTEREST
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